

Attorney's Docket: 1998CH017
Serial No.: 09/744,784
Art Unit 1751

Amendments to the Claims:

1. through 11 (Cancelled)

12. (previously presented) An aqueous reactive-dye composition (P), consisting essentially of:

(R) at least one reactive dye which contains one or more fiber reactive groups of a halogen-substituted heterocyclic group selected from the group consisting of halogentriazine or halogenpyrimidine, or an open-chain group selected from the group consisting of: β -sulphatoethylsulphonyl, β -sulphatoethylaminosulphonyl, β -sulphatopropionamido, β -chloroethylsulphonyl, vinylsulphonyl or acryloylaminosulphonyl,

(B) biuret,

water,

and optionally (F) at least one or more formulating additive,

wherein the aqueous reactive dye composition is an aqueous solution and is storable without substantial deterioration in physical and coloristic properties.

13. (previously presented) Aqueous reactive-dye composition (P) according to Claim 12, containing as (F) one or more of the following components:

(F1) urea

(F2) at least one non-ionic, basic or cationic solubilizer other than urea,

(F3) at least one alkali metal salt of a mineral acid,

(F4) a surfactant system,

(F5) a defoamer; and

(F6) a means of combating the harmful effect of microorganisms.

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14. (previously presented) Aqueous reactive-dye composition (P) according to Claim 13, containing as (F) one or more of the components (F1), (F5) and (F6).
15. (previously presented) Aqueous reactive-dye composition (P) according to Claim 12, containing from 5 to 50 % by weight of (R).
16. (previously presented) A process for the production of a composition (P) according to Claim 12 comprising the step of mixing a dye (R) or a dye mixture (R) in the presence of water with biuret (B) and optionally at least one formulating additive (F).
17. (previously presented) A method for dyeing substrates dyeable with reactive dyes comprising the step of contacting said substrate with a dyeing liquor that contains said composition (P) according to Claim 12.
18. (previously presented) A method for printing substrates printable with reactive dyes comprising the step of contacting said substrate with a printing composition that contains said composition (P) according to claim 12.
19. (previously presented) Printing paste prepared with a composition (P) according to Claim 12 further comprising a thickener and optionally an additive for adjusting the pH to a value within the range from 4 to 7.
20. (previously presented) Stock solution produced by diluting a concentrated composition (P) according to Claim 12 with water and optionally, adjusting the pH to a value within the range from 4 to 7, and having an (R) content in the range from 1 to 10 % by weight.

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21. (previously presented) A method for dyeing substrates dyeable with reactive dyes comprising the step of contacting said substrate with a dyeing liquor that contains said stock solution according to claim 20.
22. (previously presented) A method for printing substrates printable with reactive dyes comprising the steps of:
providing a printing paste according to claim 19;
providing a substrate printable with reactive dyes; and
printing said substrate with said printing paste.
23. (previously presented) Aqueous reactive-dye composition (P) according to Claim 12, wherein said halogen-substituted heterocycle is selected from the group consisting of: a fluoro-, chloro- and/or bromo-substituted radical of a triazine or pyrimidine.
24. (previously presented) Aqueous reactive-dye composition (P) according to Claim 23, wherein said halogen-substituted heterocycle is selected from the group consisting of: a monochlorotriazine radical, a dichlorotriazine radical, a fluoro- and/or chloro-substituted pyrimidine radical.
25. (previously presented) A method according to Claim 18, wherein the printing composition is a printing paste or a printing ink.
26. (previously presented) An aqueous reactive dye composition (P) according to claim 12 with a viscosity less than 1000 cP.
27. (previously presented) An aqueous reactive-dye composition (P) which is an aqueous solution, consisting of:

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(R) at least one reactive dye which contains one or more fiber reactive groups of a halogen-substituted heterocyclic group selected from the group consisting of halogentriazine or halogenpyrimidine, or an open-chain group selected from the group consisting of: β -sulphatoethylsulphonyl, β -sulphatoethylaminosulphonyl, β -sulphatopropionamido, β -chloroethylsulphonyl, vinylsulphonyl or acryloylaminosulphonyl,

(B) bluret,

water,

and, optionally (F) at least one or more formulating additive selected from the group consisting of

(F1) urea

(F2) at least one non-ionic, basic or cationic solubilizer other than urea,

(F3) at least one alkali metal salt of a mineral acid,

(F4) a surfactant system,

(F5) a defoamer; and

(F6) a means of combating the harmful effect of microorganisms.

28. (previously presented) An aqueous reactive-dye composition (P) according to Claim 13 containing from 5 to 50 % by weight of (R), 0.1 to 5 % by weight of (B), and 0.1 to 10 % by weight of (F1).

29. (previously presented) An aqueous reactive dye composition (P) according to Claim 28,

containing from 10 to 35 % by weight of (R), 0.5 to 2 % by weight of (B), 0.1 to 5 % by weight of (F1) and 0.001 to 1 % by weight of (F6), and with a content of (F2) in the range of 0.5 to 5 parts by weight of (F2) per 100 parts by weight of (R).

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30. (previously presented) An aqueous reactive dye composition (P) according to Claim 12, with a pH in the range of 4 to 9.
31. (previously presented) Aqueous reactive dye composition (P) according to Claim 13, wherein (F) comprises (F1).
32. (previously presented) Aqueous reactive dye composition (P) according to claim 12, wherein the aqueous reactive dye composition is storage stable for a period of up to eight weeks.
33. (previously presented) Aqueous reactive dye composition (P) according to claim 12, wherein the aqueous reactive dye composition is storage stable for a period of up to several months.
34. (previously presented) Aqueous reactive dye composition (P) according to claim 27, wherein the aqueous reactive dye composition is storage stable for a period of up to eight weeks.
35. (previously presented) Aqueous reactive dye composition (P) according to claim 27, wherein the aqueous reactive dye composition is storage stable for a period of up to several months.
36. (previously presented) A printing paste comprising a composition (P) according to claim 12.
37. (currently amended) An aqueous reactive-dye composition (P) according to claim 27 having at least one or more formulating additive (F) and wherein the at least one or more formulating additive ~~comprises (F1)~~ is urea.